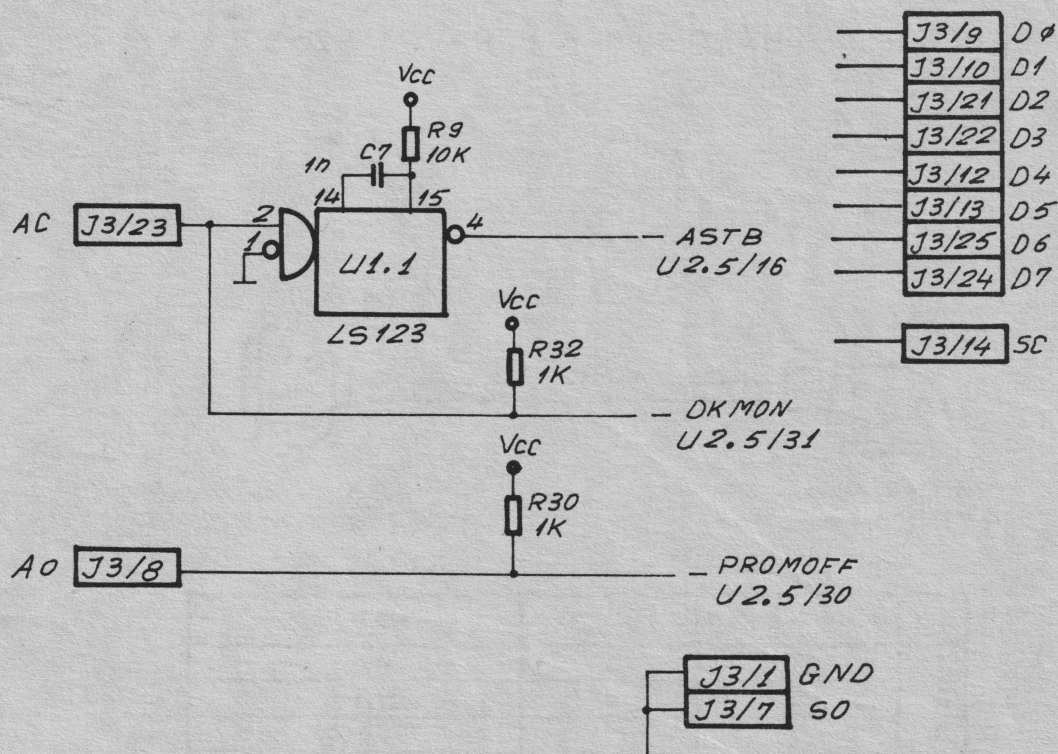


| VDT52-S MAIN BOARD | | | URC 85.01 |
|--------------------|------------|--|--------------|
| Rev | MbZ LAYOUT | | |
| | | | Sheet 1 of 1 |

MODIFICATIONS FOR CONNECTING ROBOTRON 1157 (IFSP)
PRINTER AS HARD-COPY FOR VDT 52-S



Interruptions:

- U2.5/30 wire (solder side)
- U2.5/16 wire (solder side)
- U1.1/2 wire (solder side)
- U1.1/1 wire (component side, under U1.1)
- U1.1/12 wire (component side, under U1.1)

BREAK jumper (U2.5/16-U2.2/29)

Components added:

- U1.1 (LS123) and U1.5 (LS245)
- R9 (10K Ω , RPM 3050, 5%)
- C7 (1nF, MC3223, 10%, 50V)

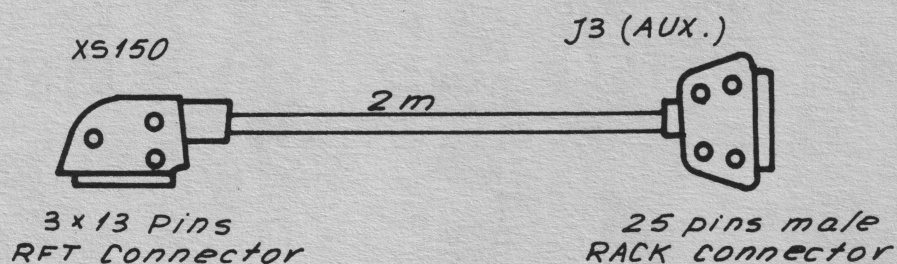
Jumpers:

- J318-U2.5/30
-J3/23-U2.5/31-U1.1/2
-U1.1/1-U1.1/8
-U1.1/4-U2.5/16
-U9.1/6-U10.1/2
-521-522

| | | |
|----------|---------------|--------------|
| VDT 52-S | | |
| | HARD-COPY | |
| | ROBOTRON 1157 | Sheet 1 of 2 |

CABLE FOR CONNECTING ROBOTRON 1157 (IFSP)

PRINTER AS HARD-COPY FOR VDT 52-S



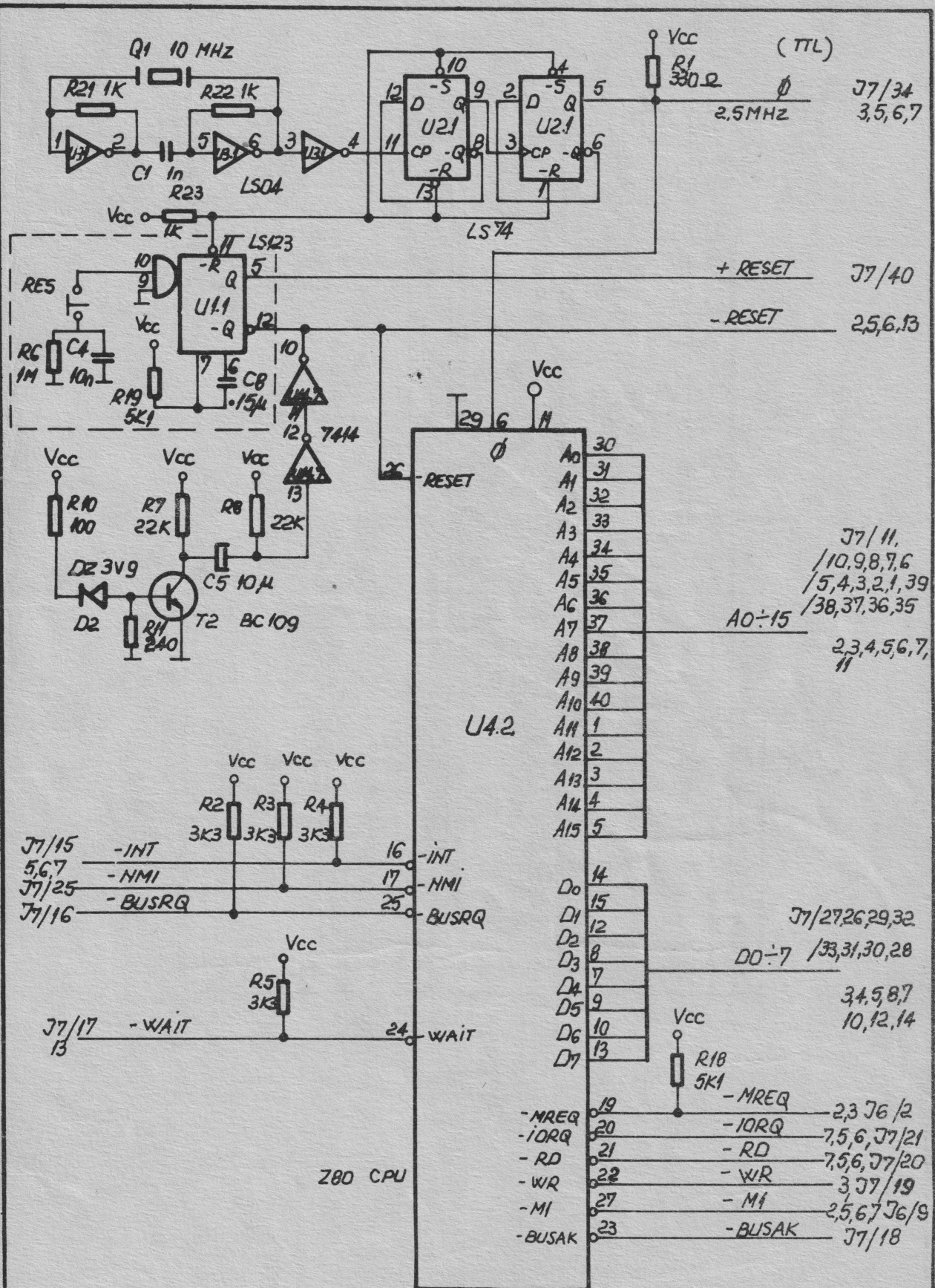
| NO. | From XS150 | To J3 | Signal |
|-----|------------|-------|----------|
| 1 | B2 | 14 | SC |
| 2 | B3 | 23 | AC |
| 3 | B4 | 1 | SO (GND) |
| 4 | B5 | 9 | D0 |
| 5 | B6 | 10 | D1 |
| 6 | B7 | 21 | D2 |
| 7 | B8 | 22 | D3 |
| 8 | B9 | 12 | D4 |
| 9 | B10 | 13 | D5 |
| 10 | B11 | 25 | D6 |
| 11 | B12 | 24 | D7 |
| 12 | B13 | 8 | A0 |
| 13 | A1 | 1 | GND |
| 14 | C1 | 7 | GND |

VDT 52-S

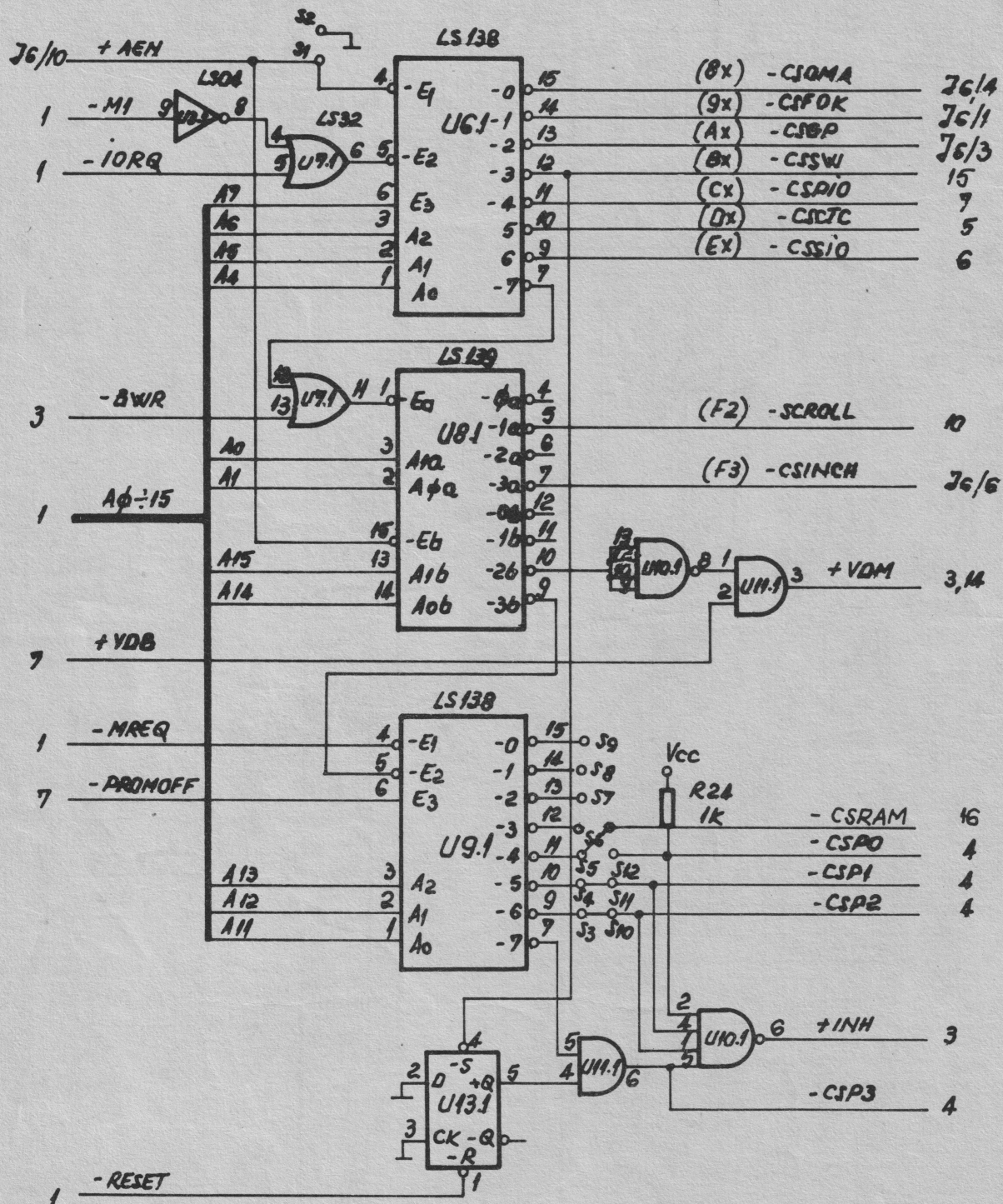
HARD-COPY

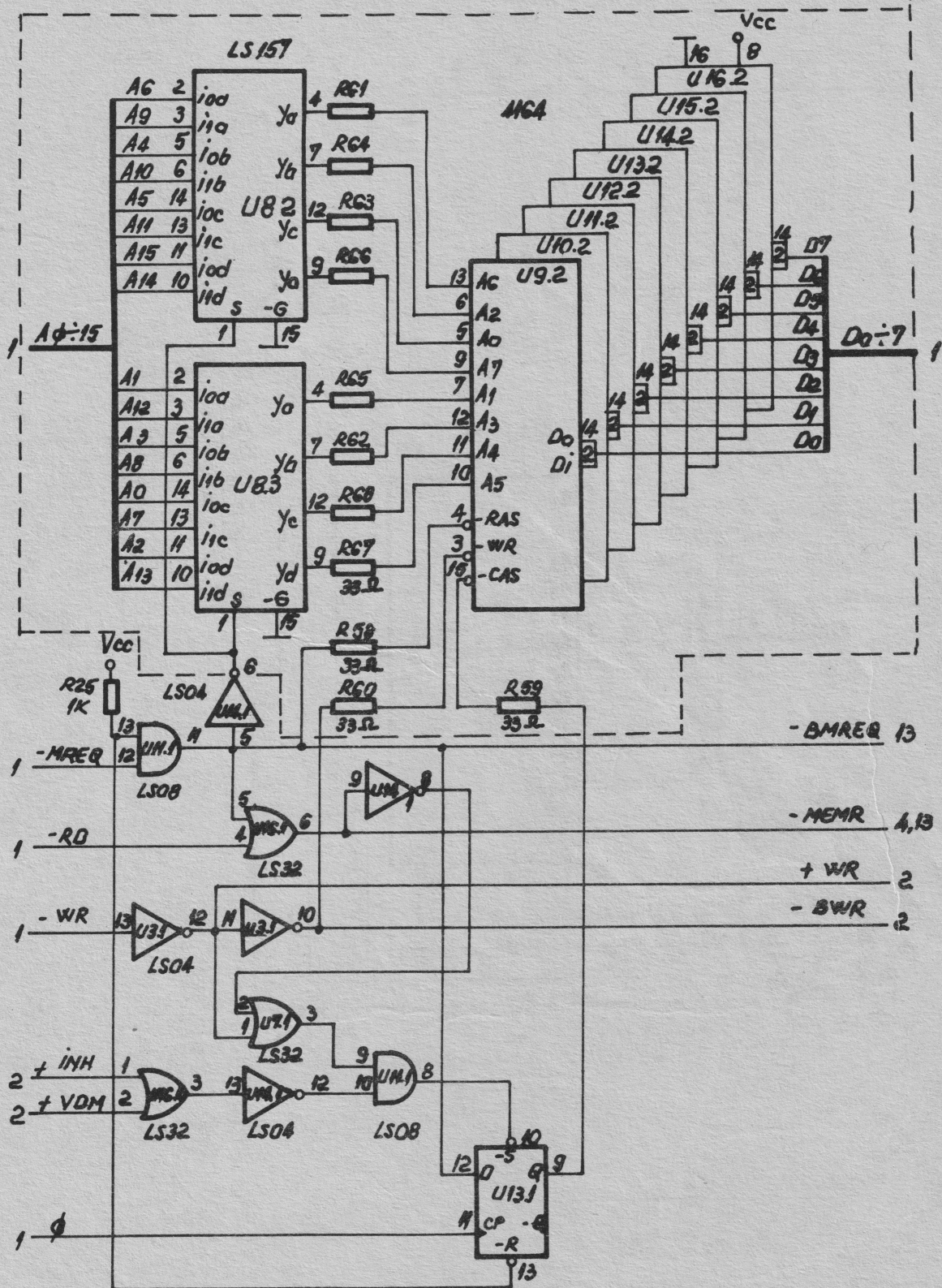
ROBOTRON 1157

Sheet 2 of 2



| VDT 52-S MAIN BOARD | | URC 85.01 |
|---------------------|-----|---------------|
| Rev. | CPU | |
| | | Sheet 1 of 16 |





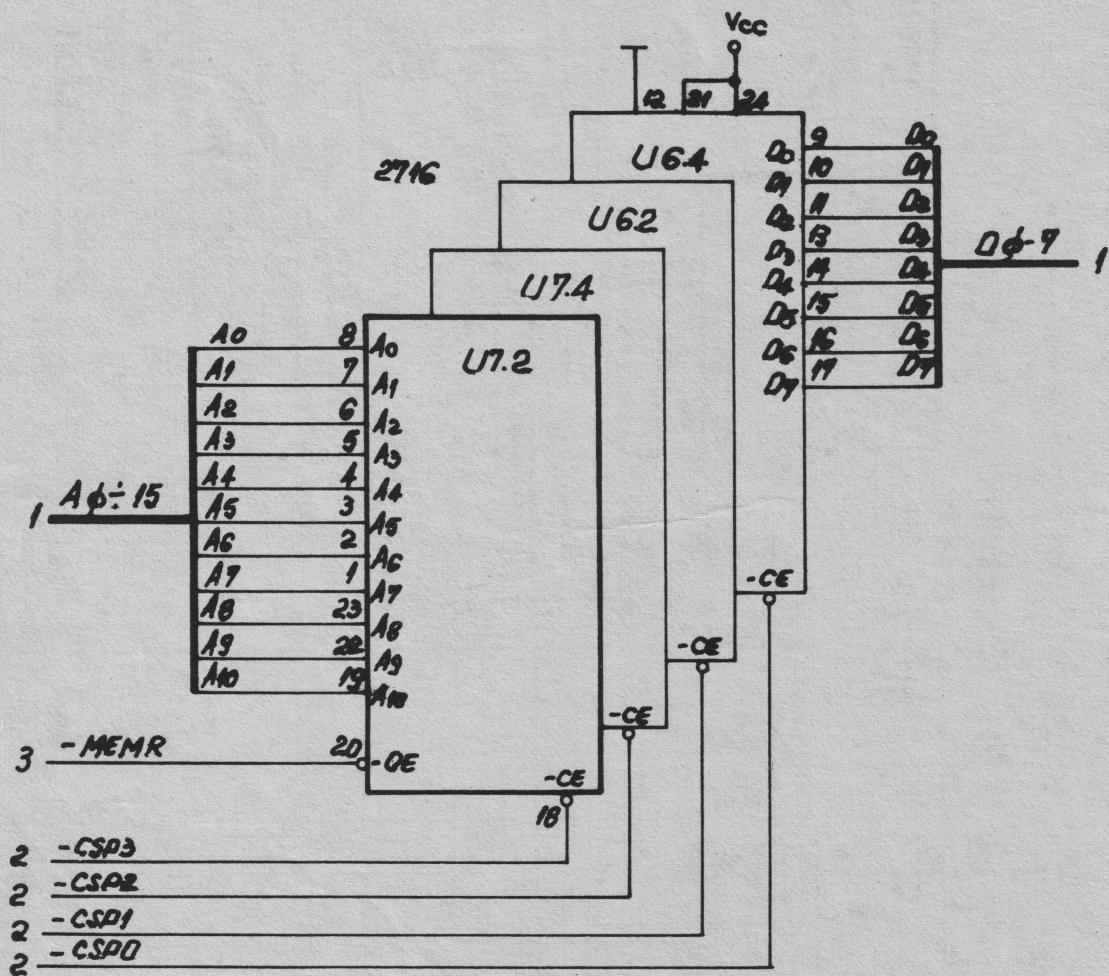
VDT 52-S MAIN BOARD

URC 85.01

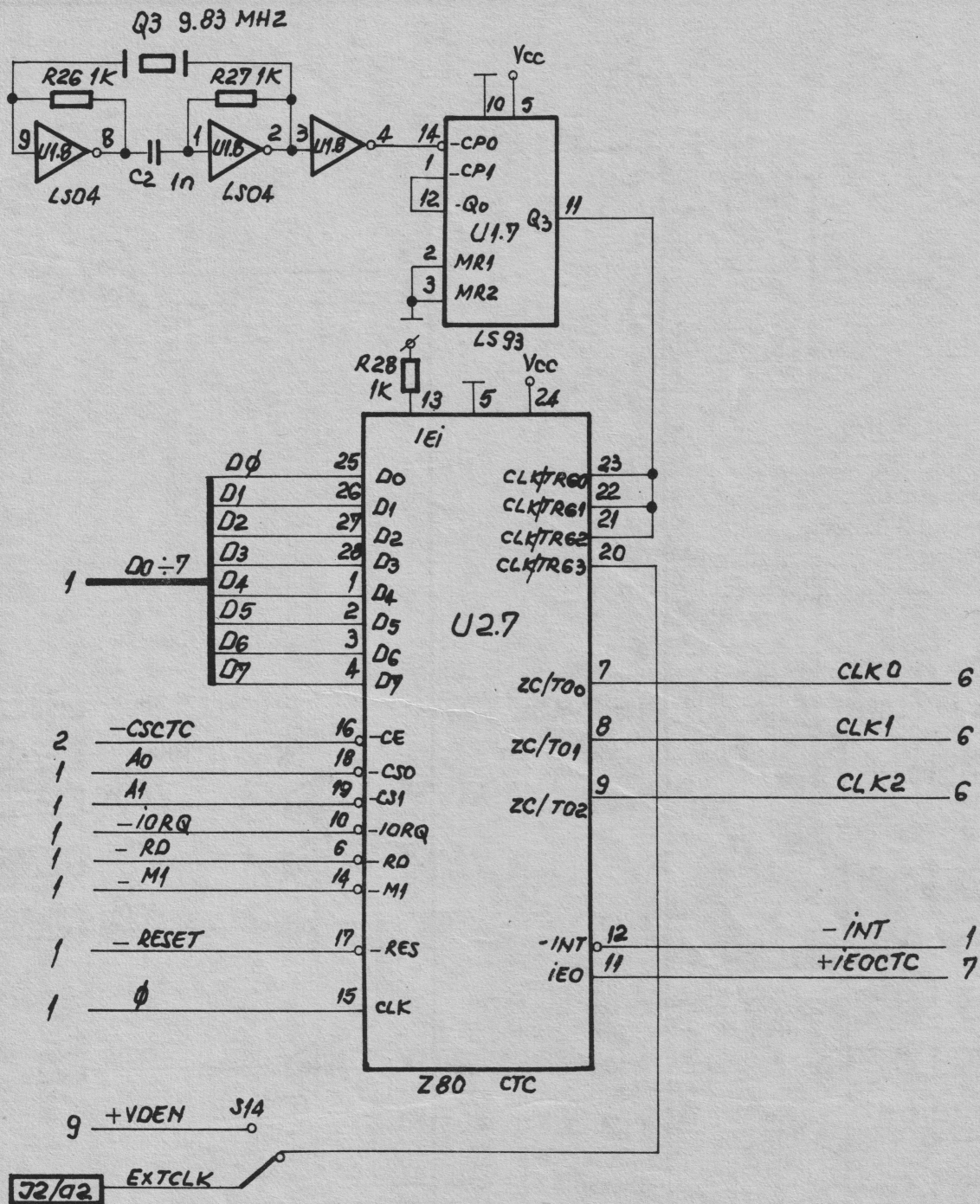
Rev

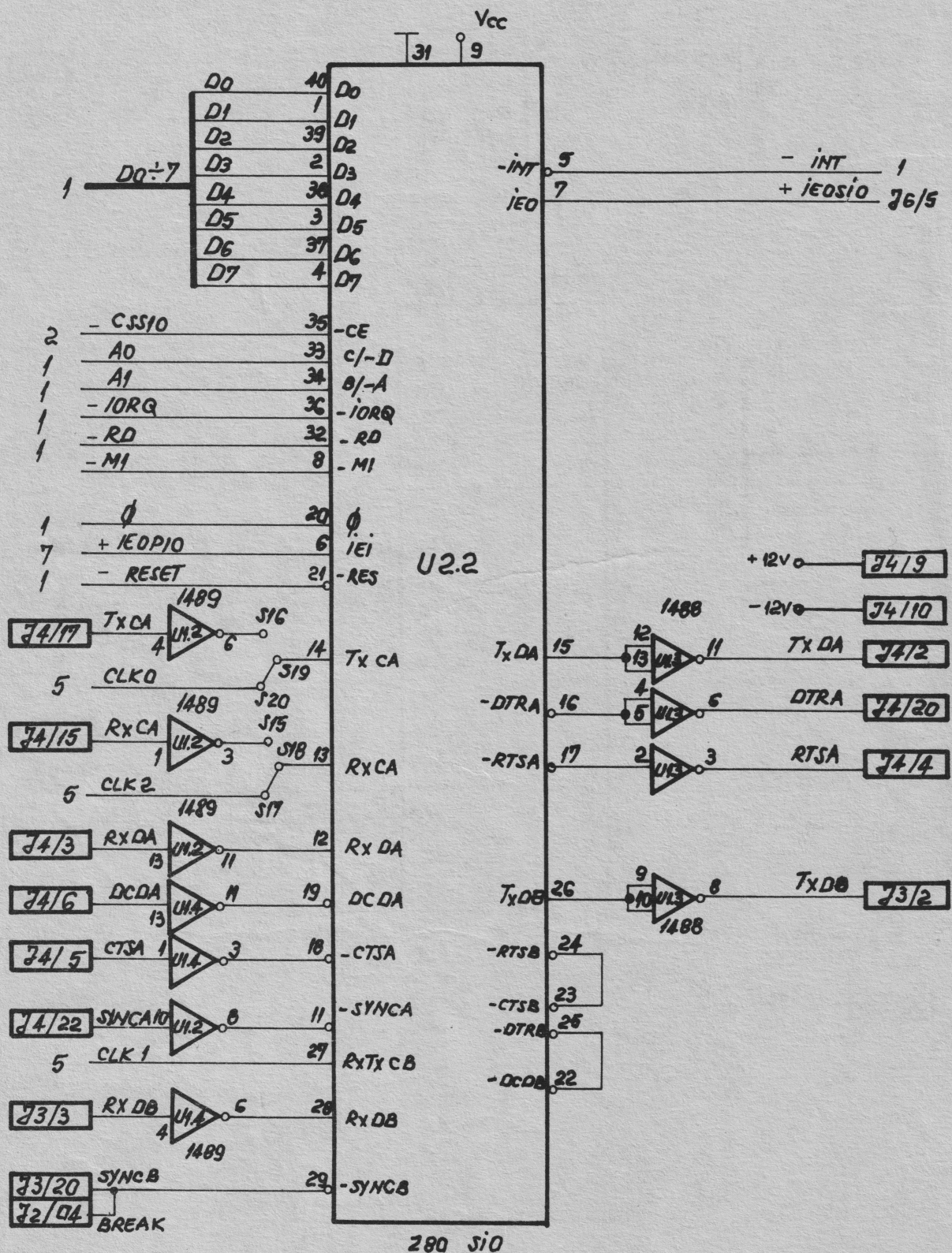
RAM

Sheet 3 of 16



| VDT 52-S MAIN BOARD | | | URC 85.01 |
|---------------------|-----|-------|---------------|
| | Rev | EPROM | |
| | | | Sheet 4 of 16 |





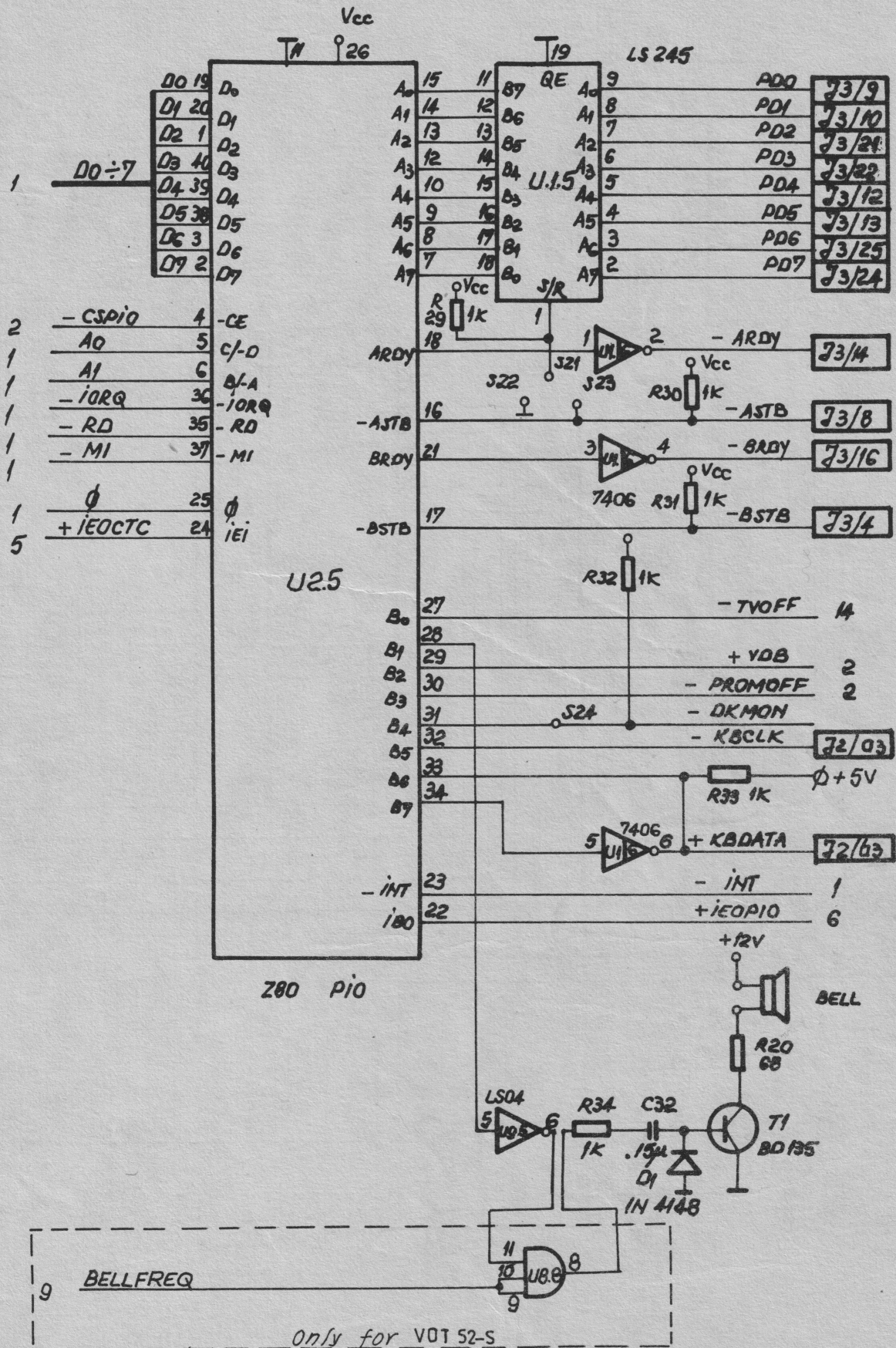
VDT 52-S MAIN BOARD

URC 85.01

Rev.

SERIAL I/O

Sheet 6 of 16

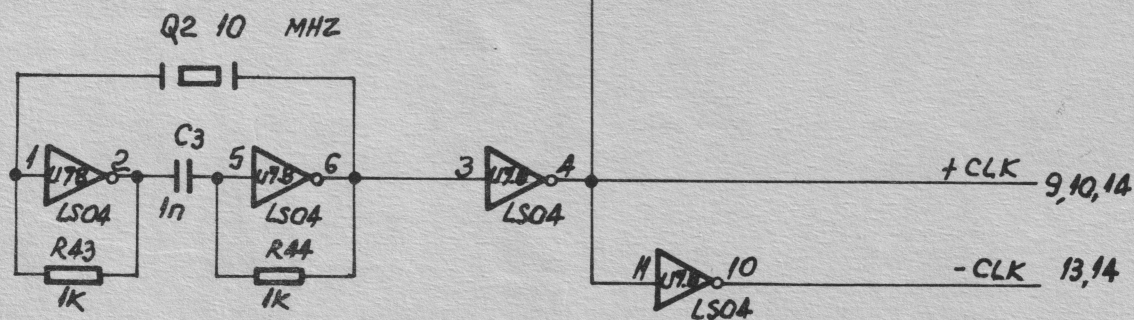


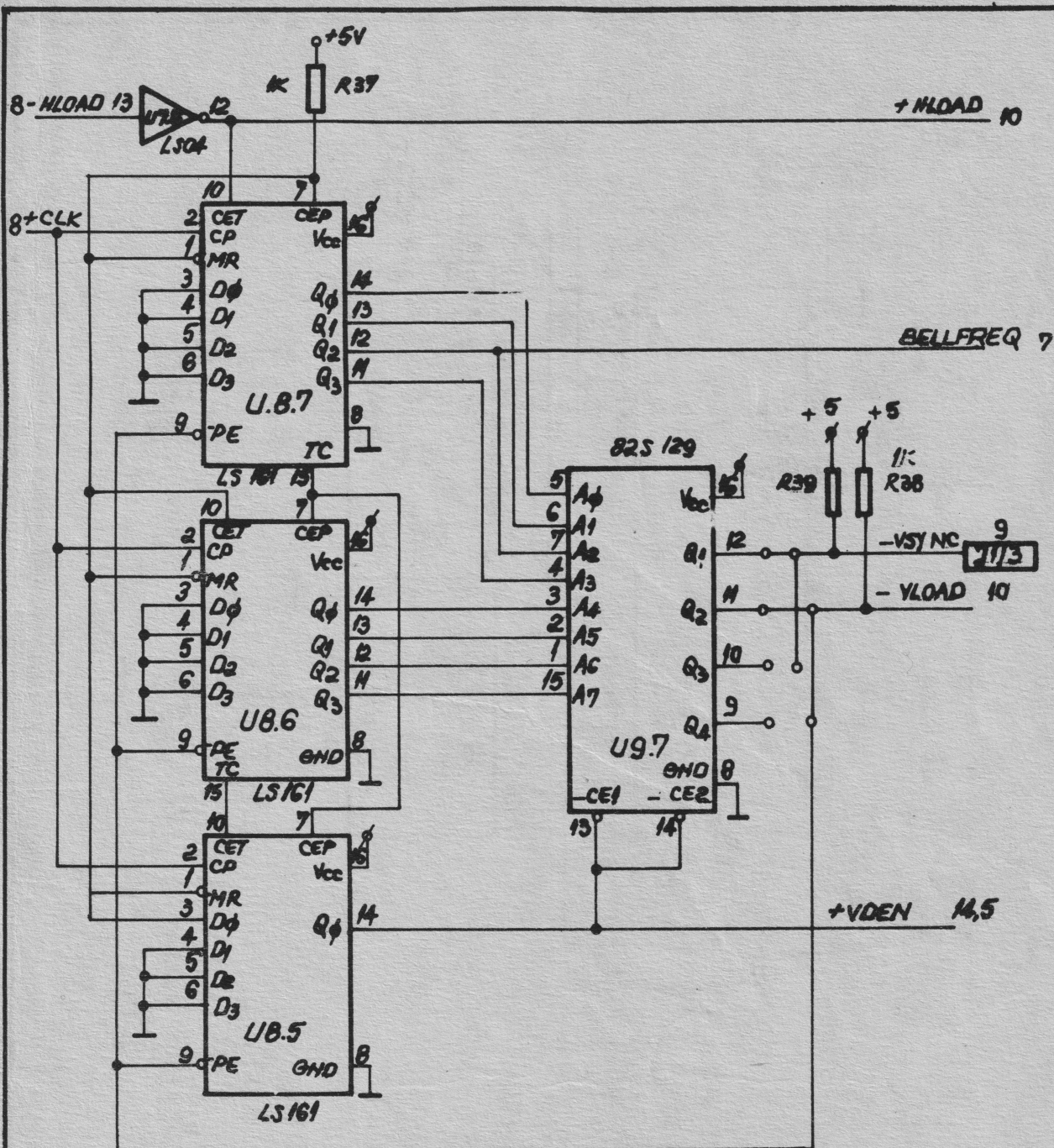
VDT 52-S MAIN BOARD

URC 85.01

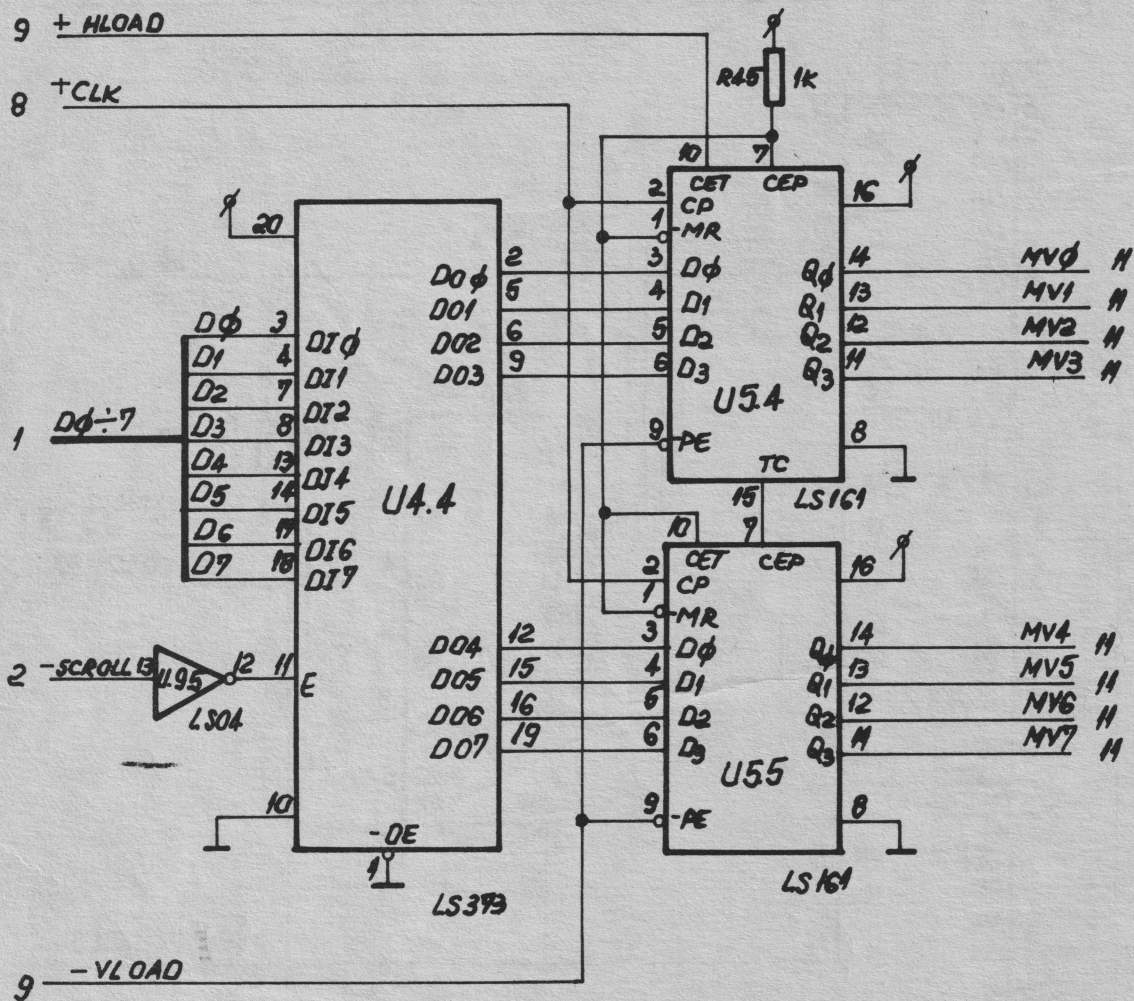
Rev. PARRALEL I/O

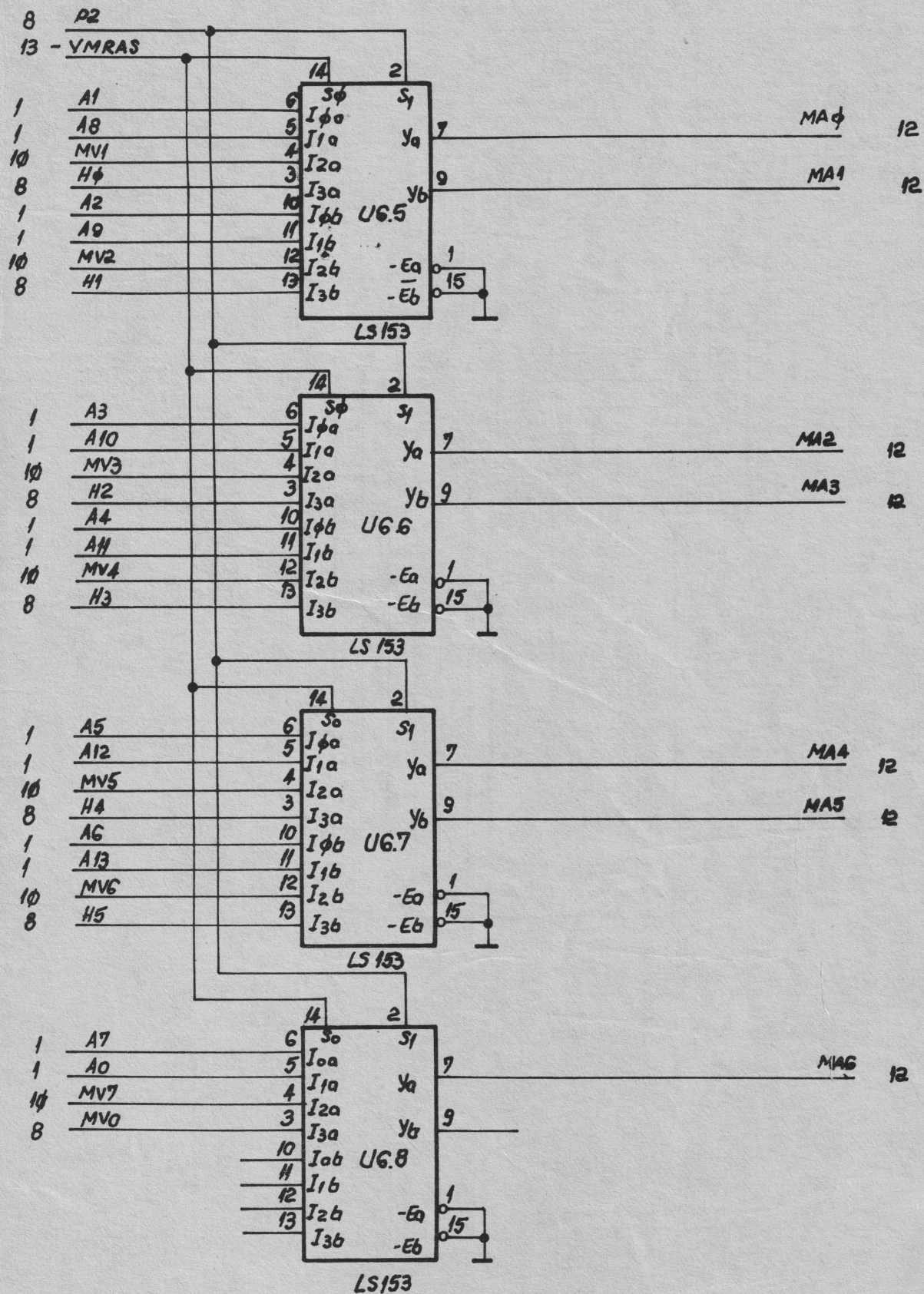
Sheet 7 of 16



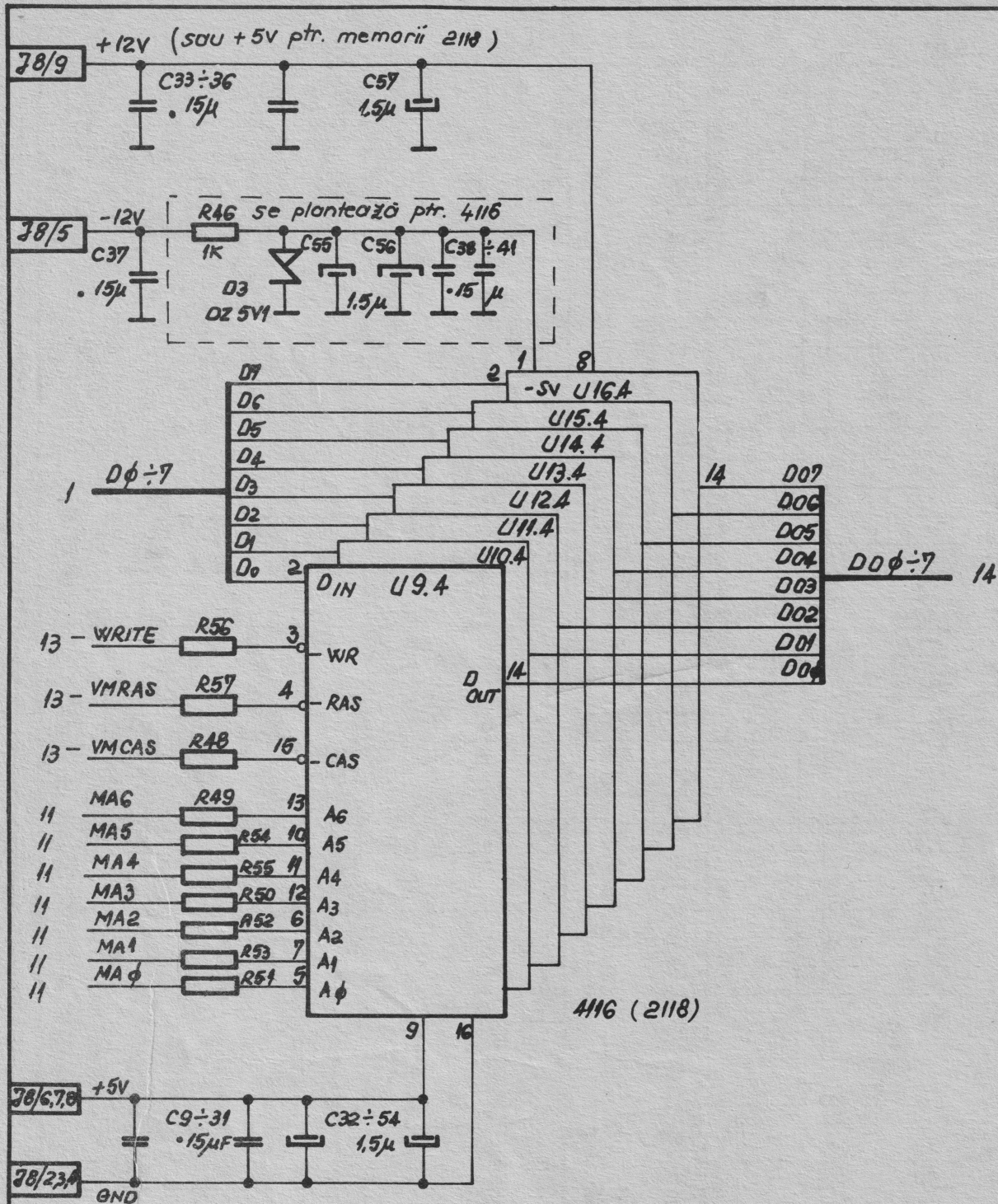


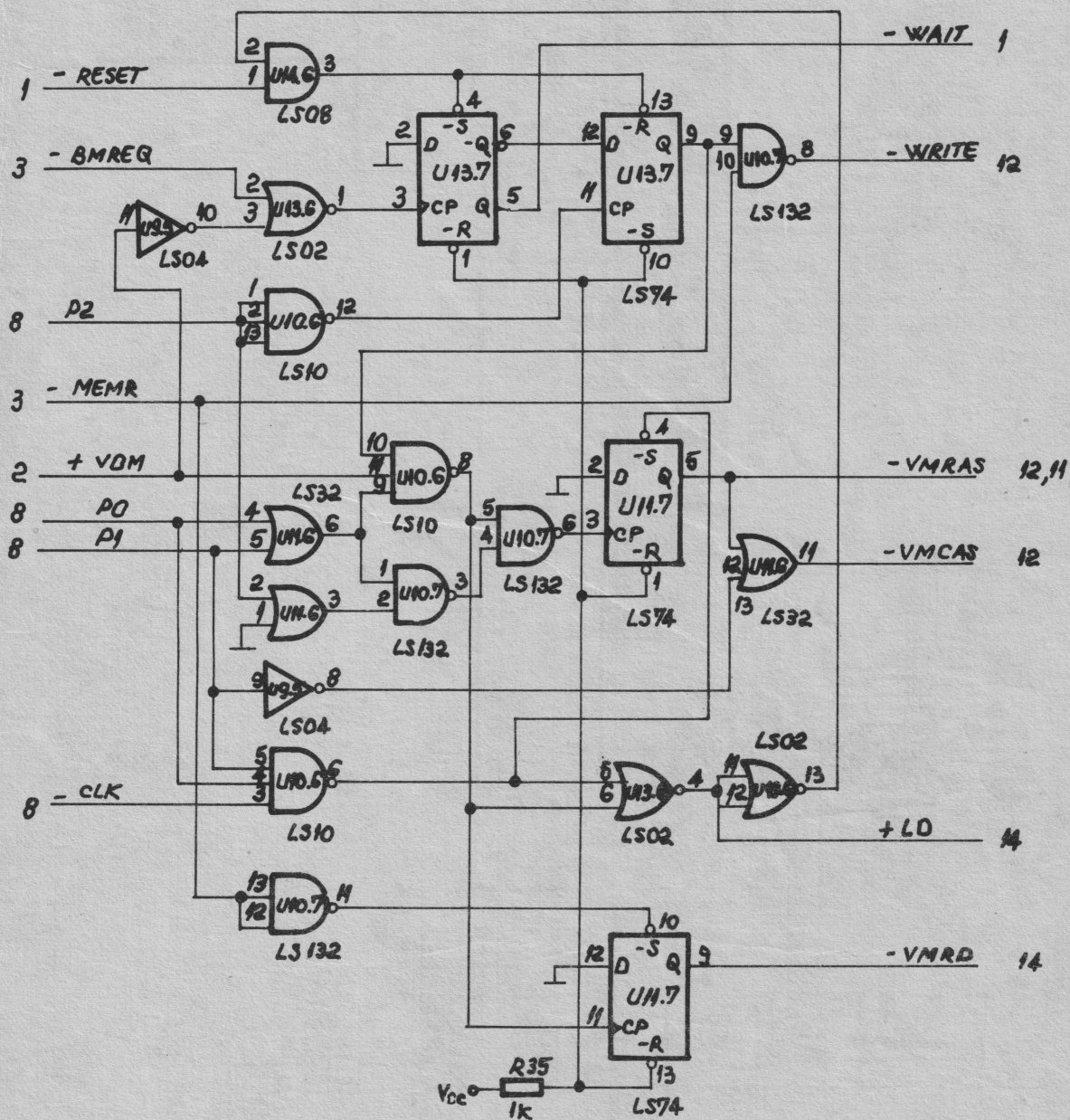
| | | | |
|---------------------|-----|---------------|--|
| VDT 52-S MAIN BOARD | | URC 85.01 | |
| | Rev | VERTICAL SYNC | |
| | | Sheet 9 of 16 | |



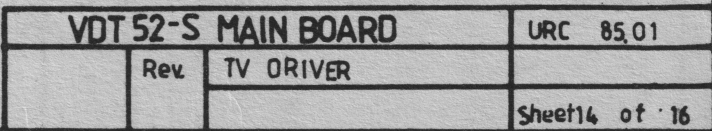


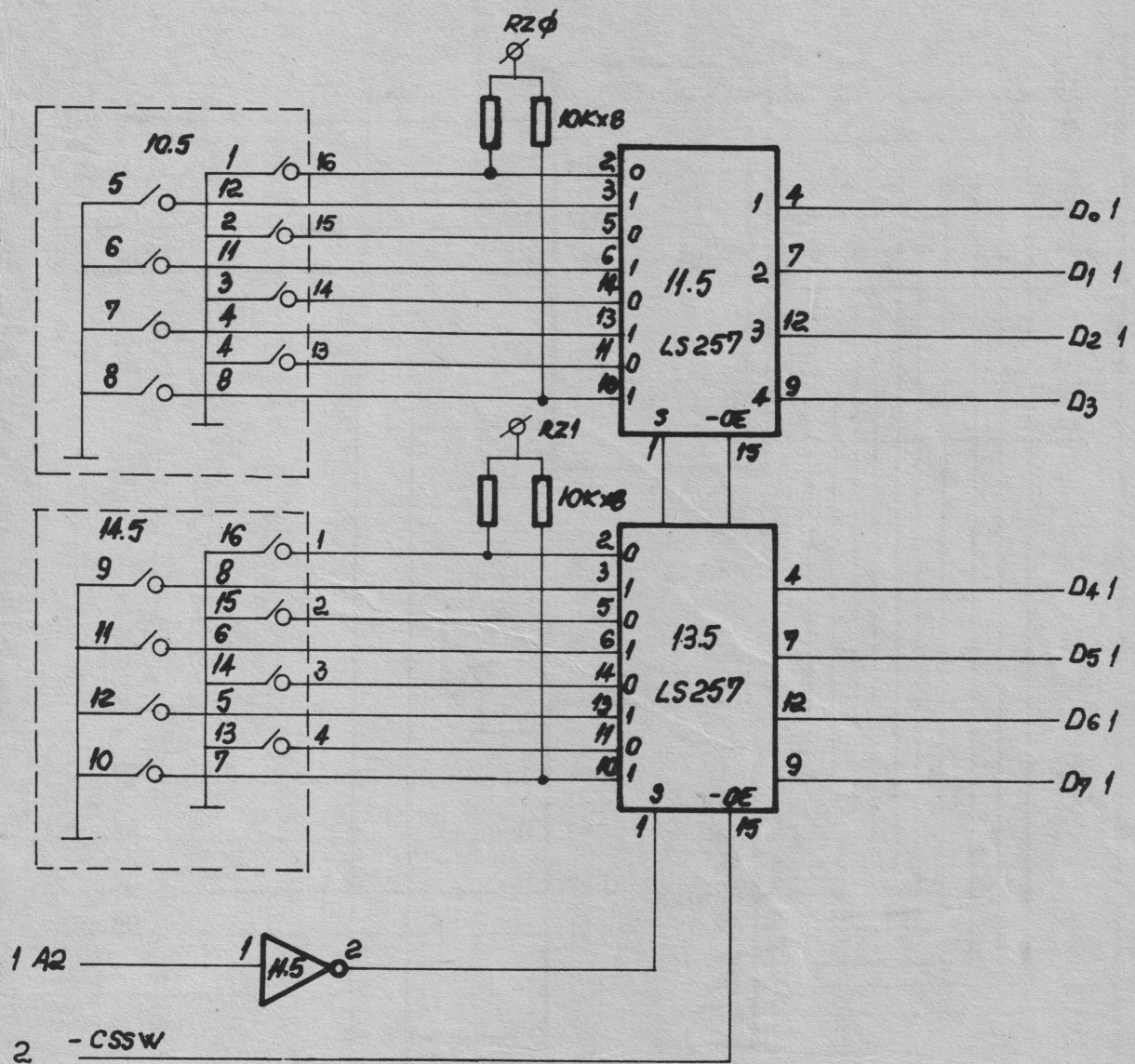
| VDT 52-S MAIN BOARD | | | URC 85.01 |
|---------------------|------|---------------|----------------|
| | Rev. | VIDEO RAM MUX | |
| | | | Sheet 11 of 16 |





| VDT 52-S MAIN BOARD | | URC 85.01 |
|---------------------|---------------|----------------|
| Rev. | VIDEO CONTROL | |
| | | Sheet 13 of 16 |





| | | |
|----------|----------|-----------|
| VDT 52-S | | URC 85.01 |
| Rev. | SWITCHES | |

